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Abstract : <p>Wind Tunnel Tests were carried out to determine the Longitudinal static stability and roll control characteristics of a 1/12 scale 'PRITHVI' missile configuration with cruciform trapezoidal wings and aft tail fin controls. The tests were conducted in the 1.2m Trisonic wind tunnel at Mach numbers from 0.4 to 1.5 through an angle of attack range of -10° to 20°. Model roll orientation was varied from -45° to 45°. The results indicated good longitudinal stability characteristics throughout the test Mach number range.</p>		